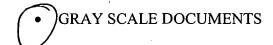
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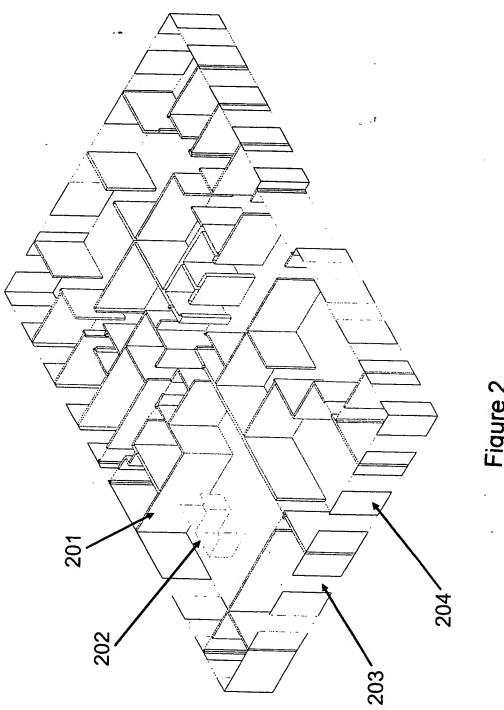
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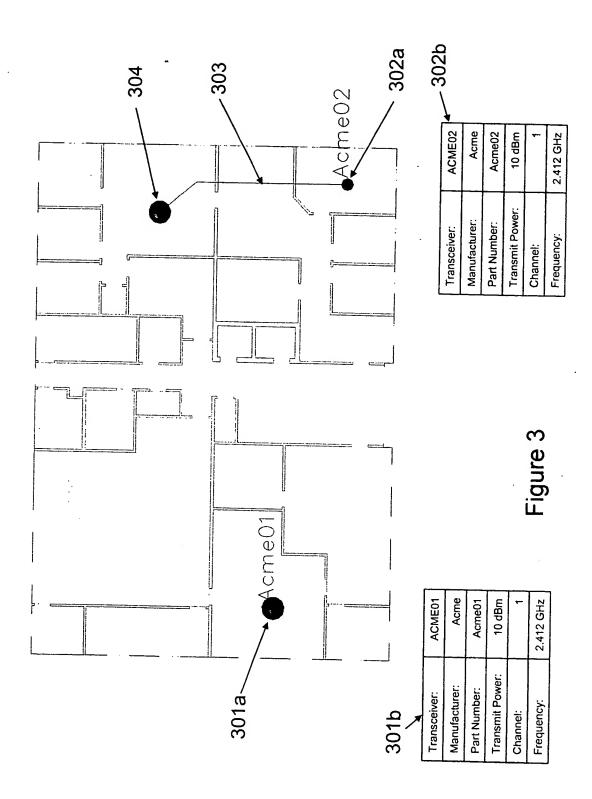


7		
2	Create/Modify site-specific model of environment	
102	Position/Configure communication network equipm	tion/Configure communication network equipment and infrastructure within site-specific model
103	Define set of possible network equipment types, co	ne set of possible network equipment types, configurations, and positions to consider in the analysis
104	Predict current communication network performance	3.6
105	Set desired performance metrics to improve and begin iterative loop	egin iterative loop
106	For each piece of network equipment	
107	For each possible type of equipment	of equipment
108	For each p equipment	For each possible configuration and position for the piece of equipment
109		Update equipment type, configuration, and position
110		Predict communication network performance
<u></u>		If new communication network performance is more desirable, than previous, store current againment to the contract of the cont
		settings, and positions
112	End iterative loop	
113	Report optimal equipment type/configuration/position performance	Report optimal equipment type/configuration/position combinations that achieve most desirable network performance
114	Update equipment types and/or configurations and/or positions	or positions

Figure,

Performance Objectives . . .





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AND THE PERSON OF THE PERSON O	Neine	33/2A-2	l ype N Female 2-way power divider	. 0.30	ო	65.00
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→ CONNECTOR	E-TRON, N Conne		10d8 Multifrequency Tao	0.50		70,00
- CARILE	RFS Cablewave	HC479.501FP	7/ou At Distantia Classical	9.00	. 7	20.00
LAPI E	DEC [-11]	1 1000 0100	770 - All Dielectife, Pienum, Corrugated	0.63	c)	15.19
2,000	nro capiewaye	LUFZERUFEN	7/8" FLEXWELL Foam Fire Retaidant	0.64	2	919
L'ABLE	Lelwave	810929-001	7/8" Flexwellt Sir Dielectric cable	7.10	0	2.74
H.CABLE	Acme	9983-4	FlexMax Air Dielectric	19.00	4 0	3.71
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The state of the s	Ainei	LFD /303/2	32 deg. Hor.	0.00		1 00
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Figure 4

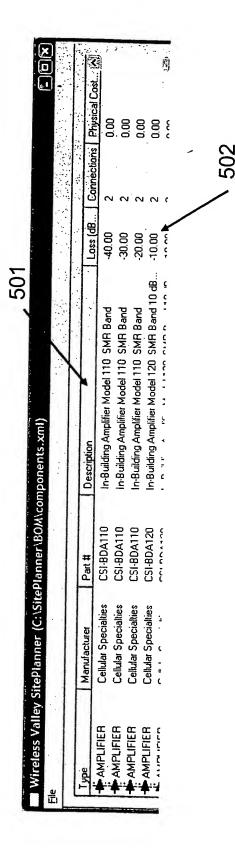


Figure 5

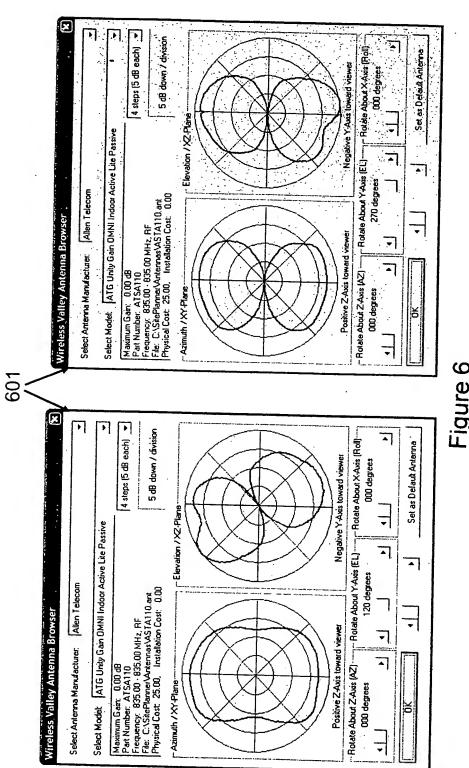
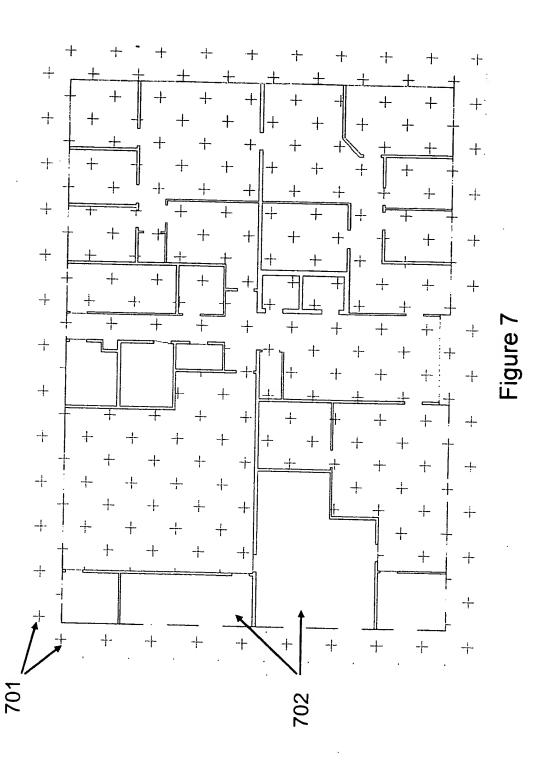
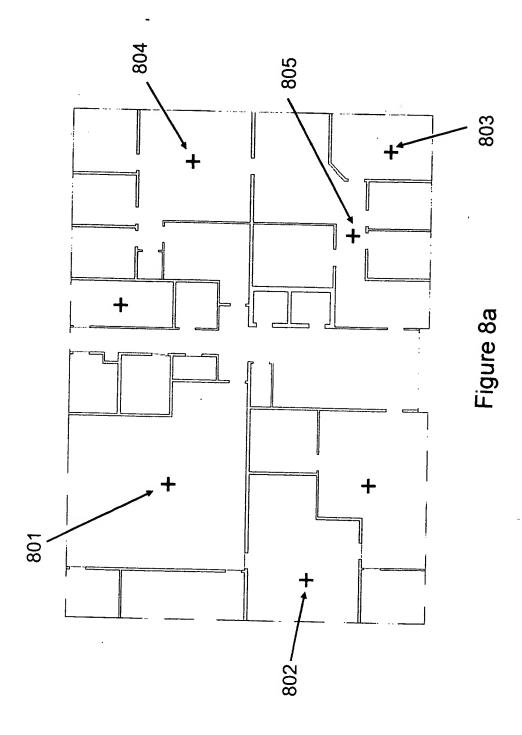


Figure 6

Title of the Invention: System and Method for Automated Placement or Configuration of

Equipment for Obtaining Desired Network





Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .

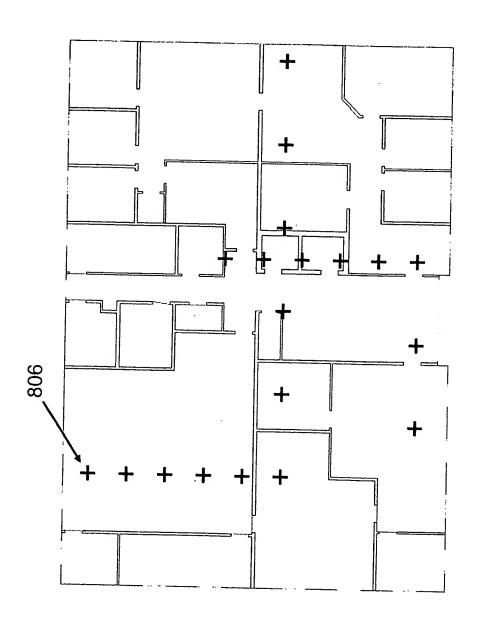
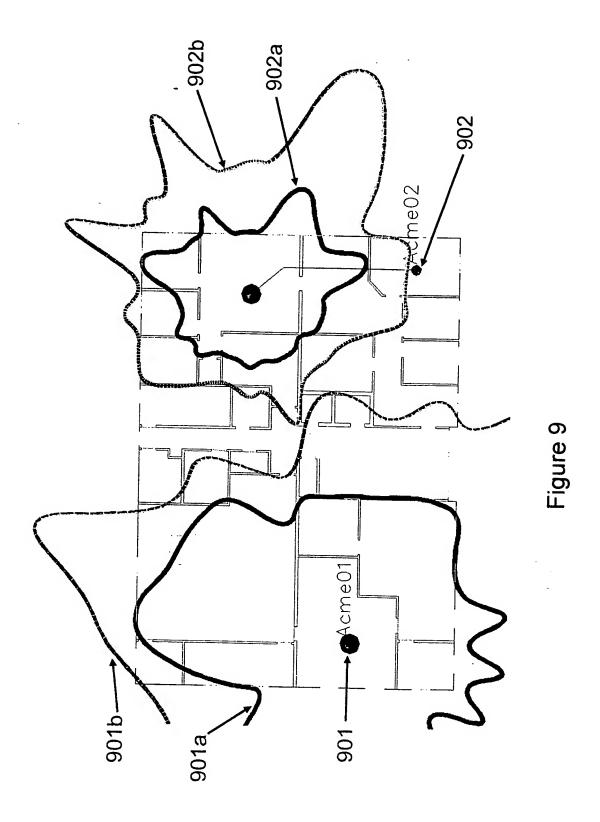


Figure 8b

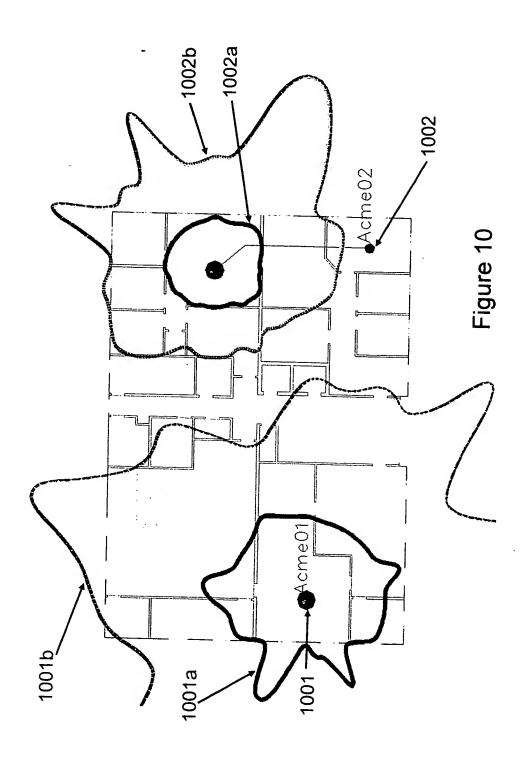
Performance Objectives . . .
Inventor's Name: Rappaport et al.

Docket No./Application No.: 10/714,929



Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .



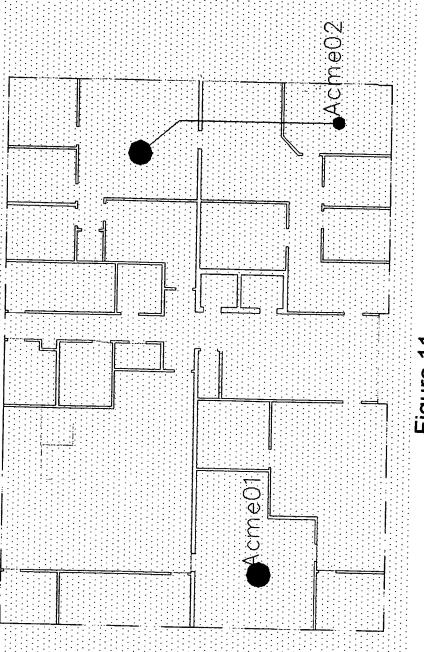
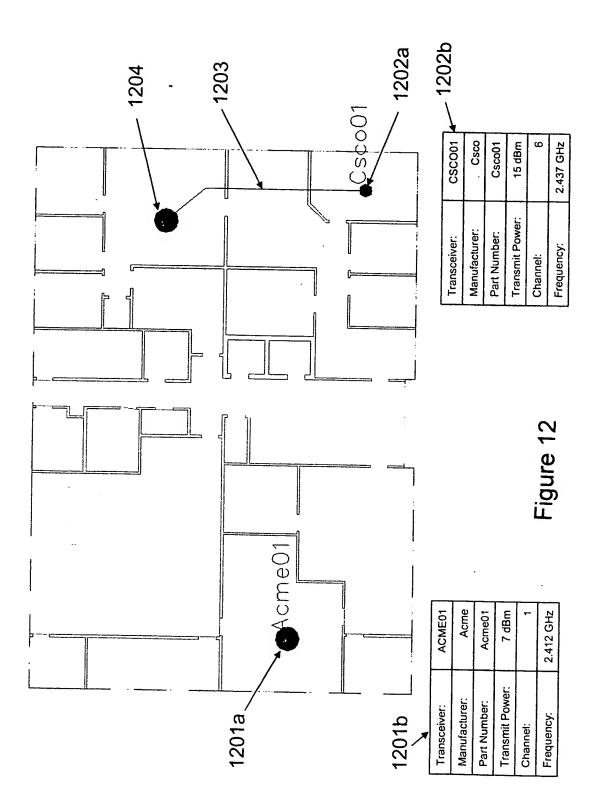
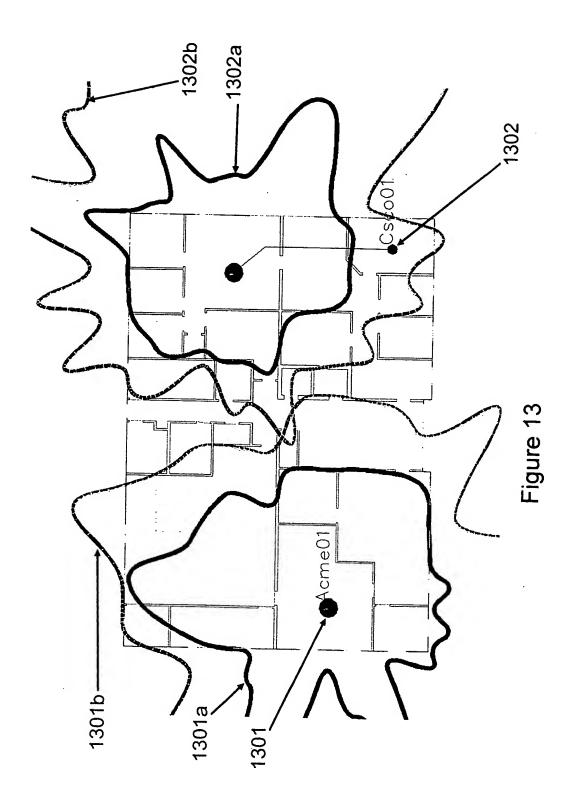


Figure 11



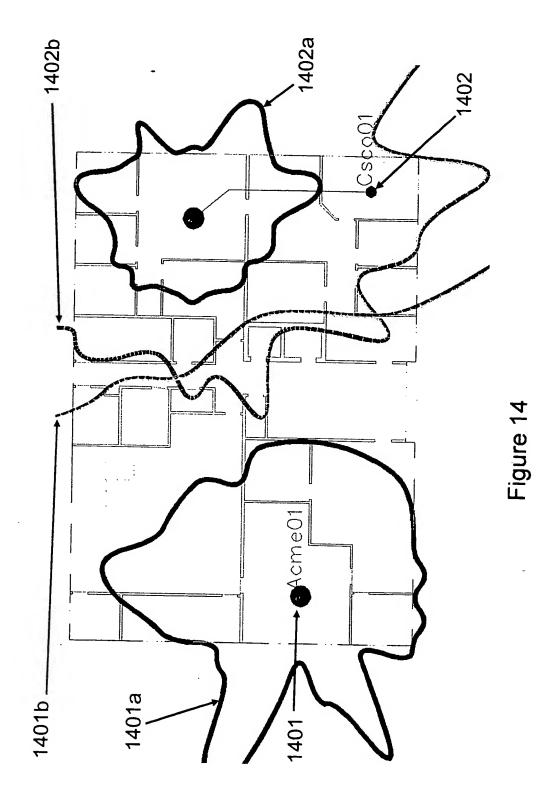
Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .



Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .

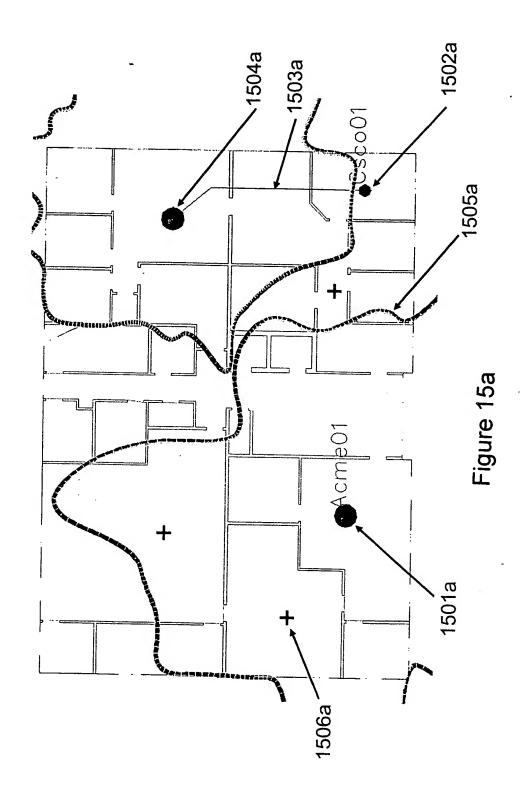


Title of the Invention: System and Method for Automated Placement or Configuration of

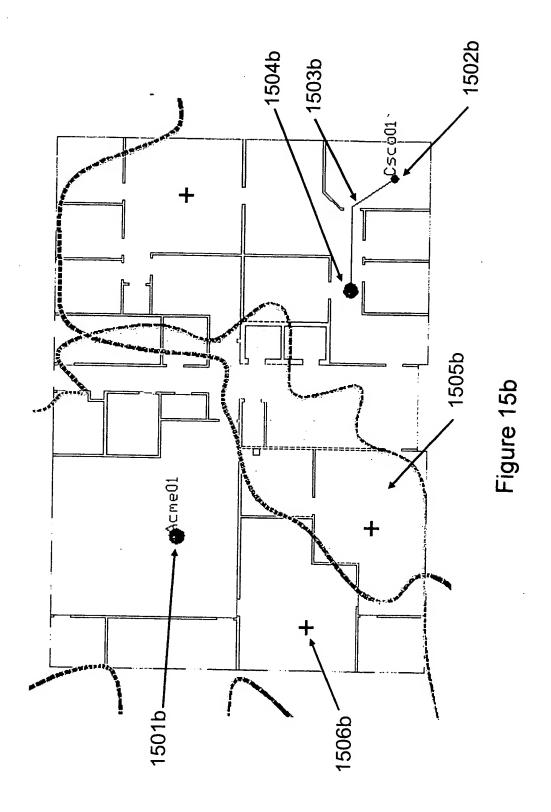
Equipment for Obtaining Desired Network Performance Objectives . . .

Inventor's Name:

Rappaport et al. Docket No./Application No.: 10/714,929



Performance Objectives . . .



Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .

Inventor's Name: Rappaport et al.

Docket No./Application No.: 10/714,929

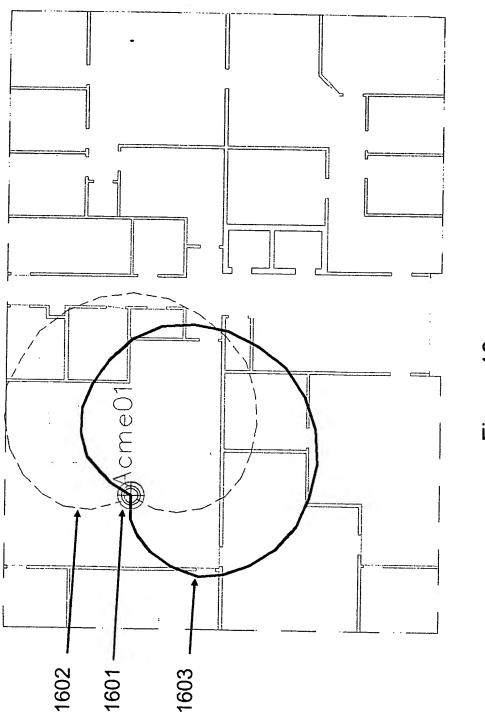


Figure 16

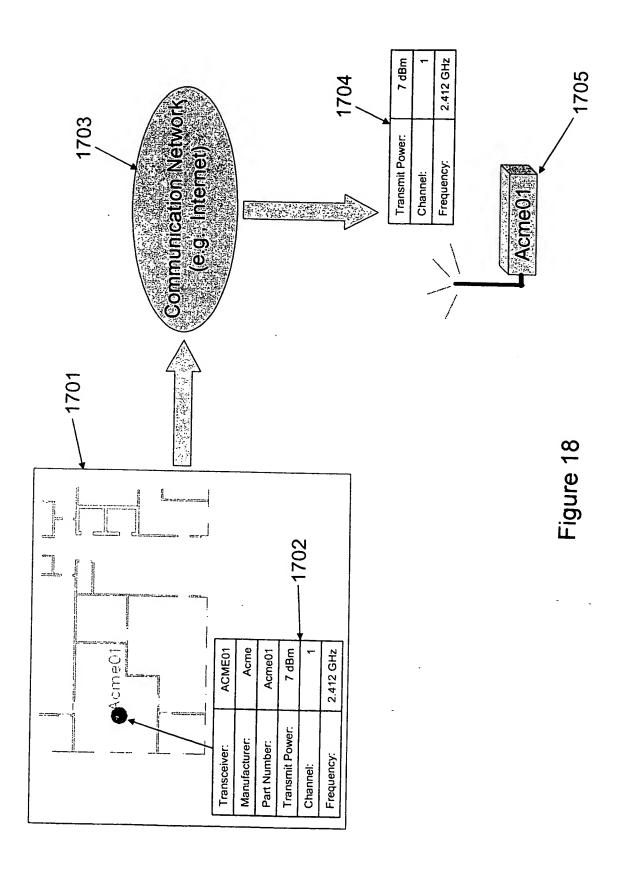
Automated Placement or Configuration of Equipment for Obtaining Desired Network

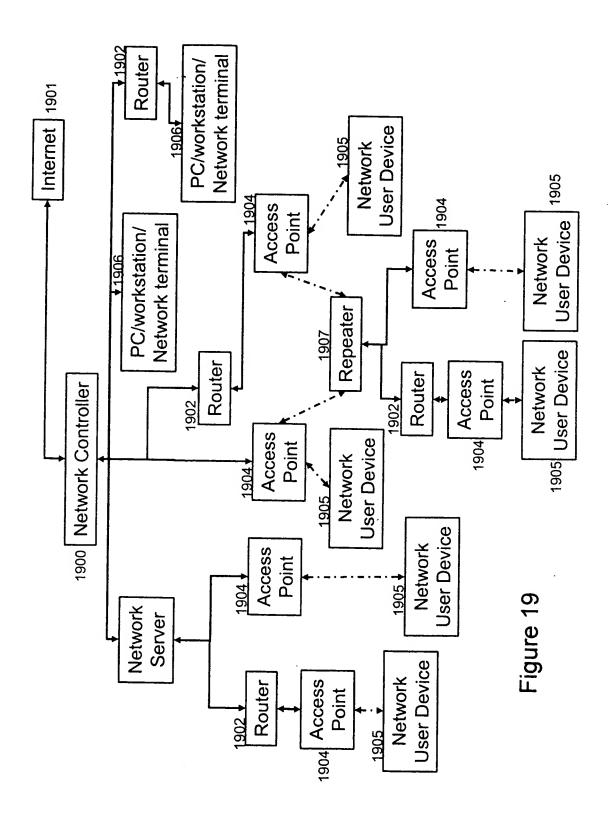
Performance Objectives . . .

101	Create/Modify site-specific model of environment
103	Define set of possible network equipment types, configurations, and positions to consider in the analysis
105	Set desired performance metrics to improve and begin iterative loop
106	For each piece of network equipment
107	For each possible type of equipment
108	For each possible configuration and position for the piece of network equipment
109	Position, interconnect, and configure selected equipment
110	Predict communication network performance
111	If new communication network performance is more desirable than previous, store current equipment types, settings, and positions
112	End iterative loop
113	Report optimal equipment type/configuration/position combinations that achieve most desirable network performance
114	Update equipment types and/or configurations and/or positions

Figure 1

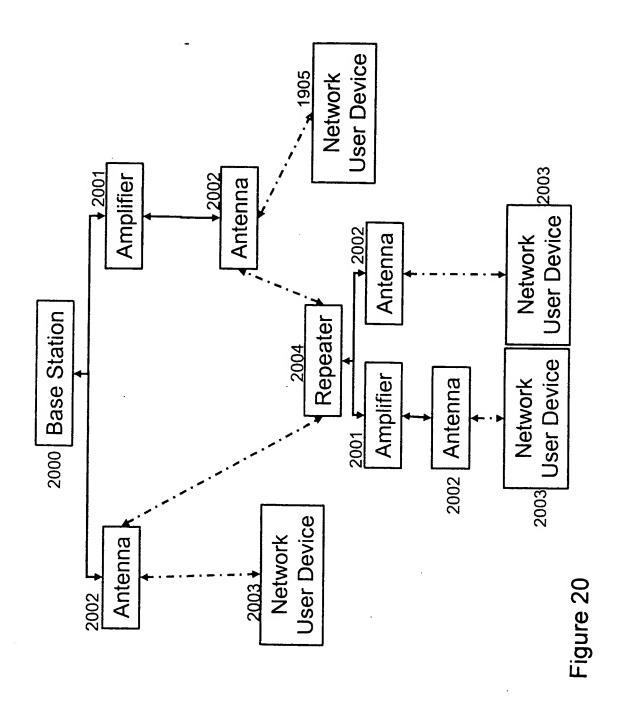
Performance Objectives . . .

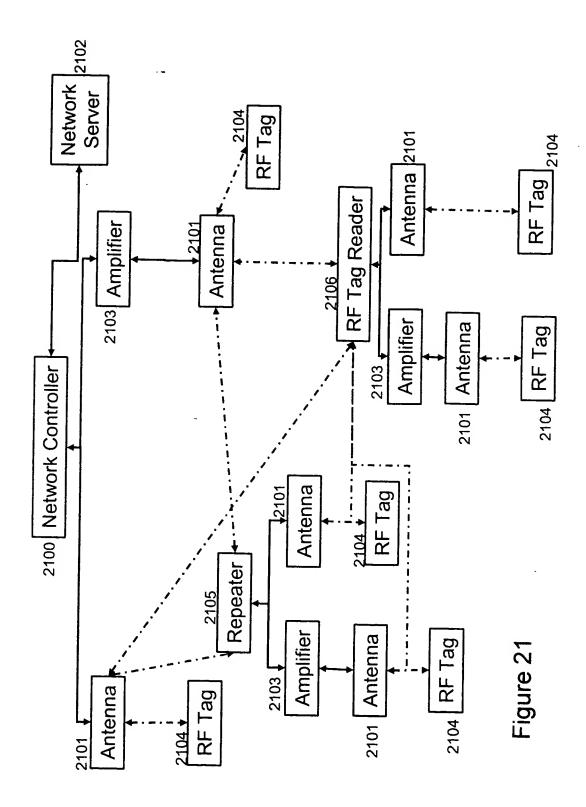




Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .





Performance Objectives . . .

Inventor's Name:

Rappaport et al. Docket No./Application No.: 10/714,929

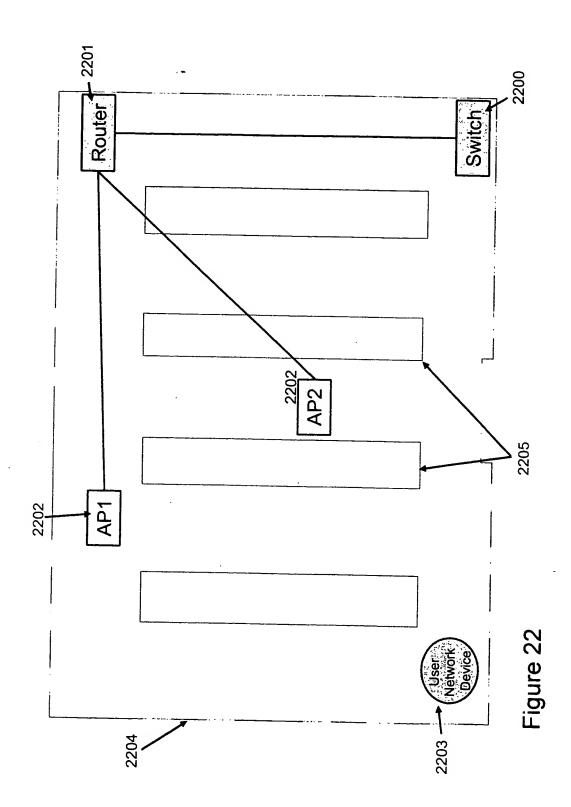
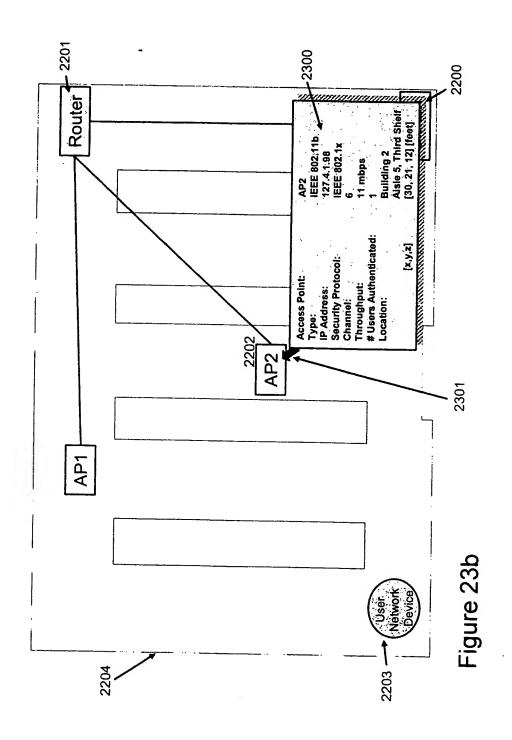


Figure 23a

Title of the Invention: System and Method for Automated Placement or Configuration of

Equipment for Obtaining Desired Network

Performance Objectives . . .



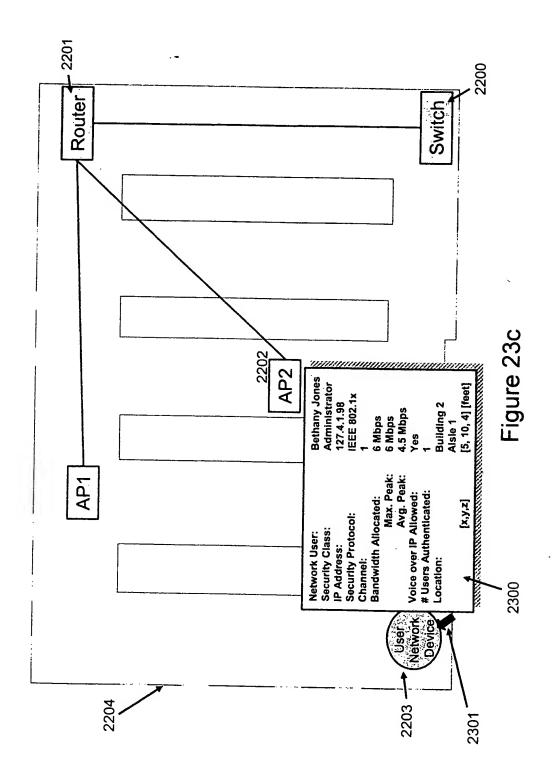
Automated Placement or Configuration of

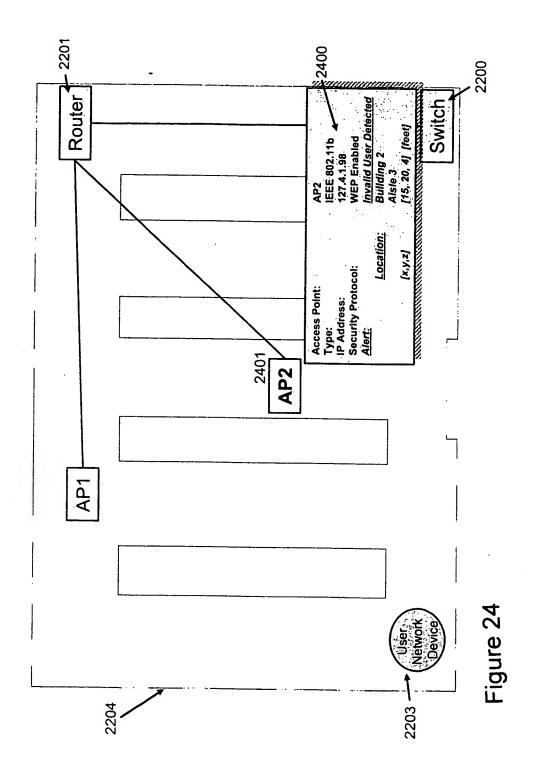
Equipment for Obtaining Desired Network

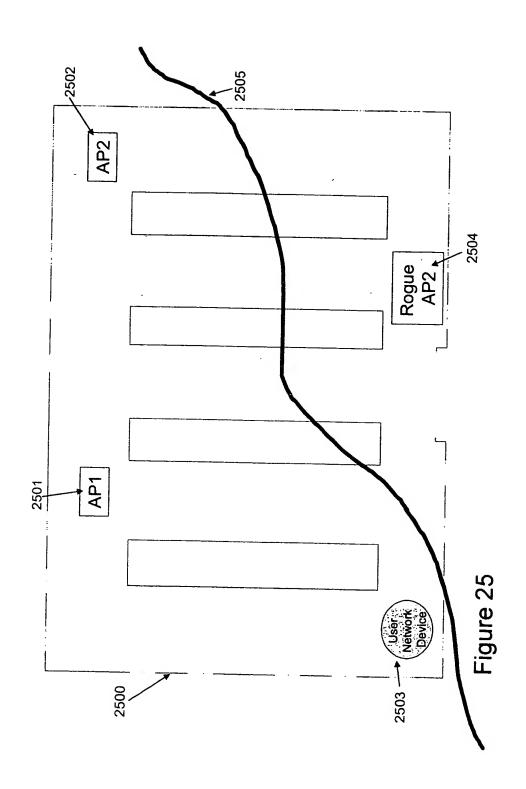
Performance Objectives . . .

Inventor's Name:

Rappaport et al. Docket No./Application No.: 10/714,929







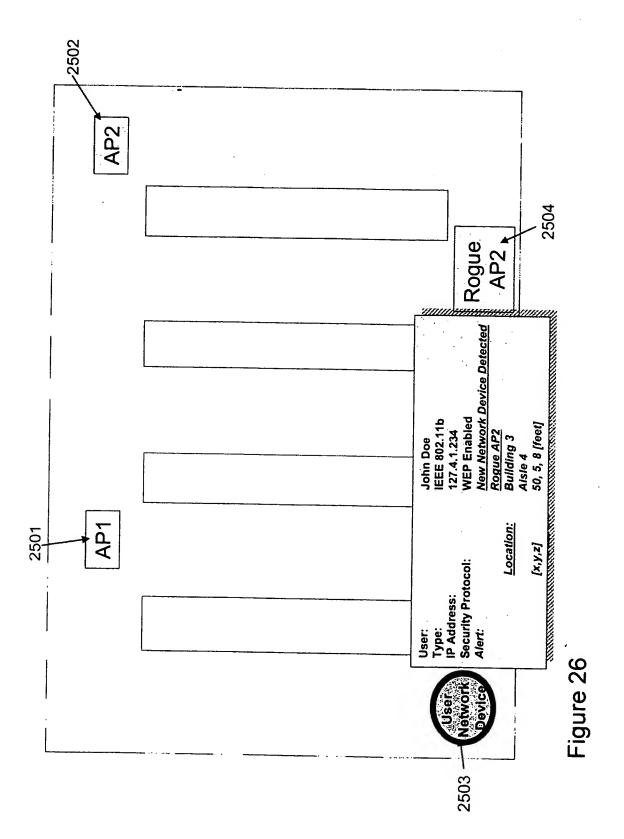
Automated Placement or Configuration of

Equipment for Obtaining Desired Network

Performance Objectives . . .

Inventor's Name:

Rappaport et al. Docket No./Application No.: 10/714,929



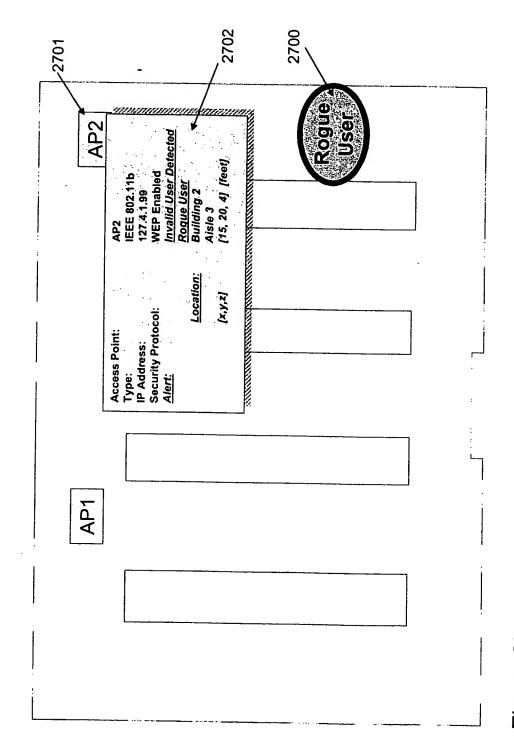
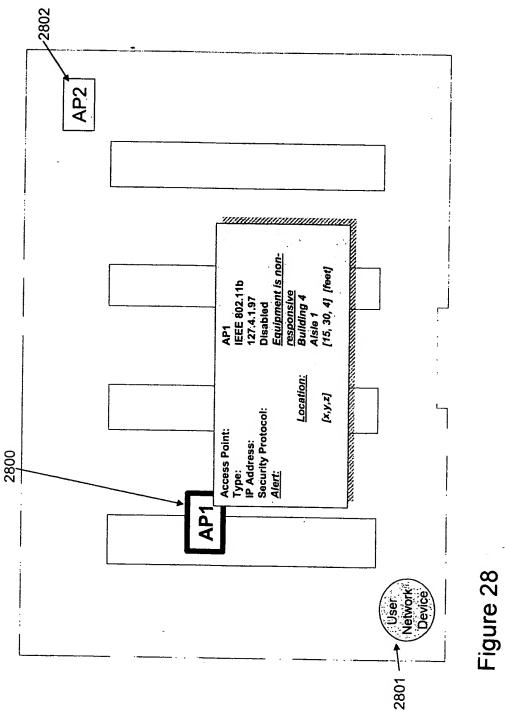
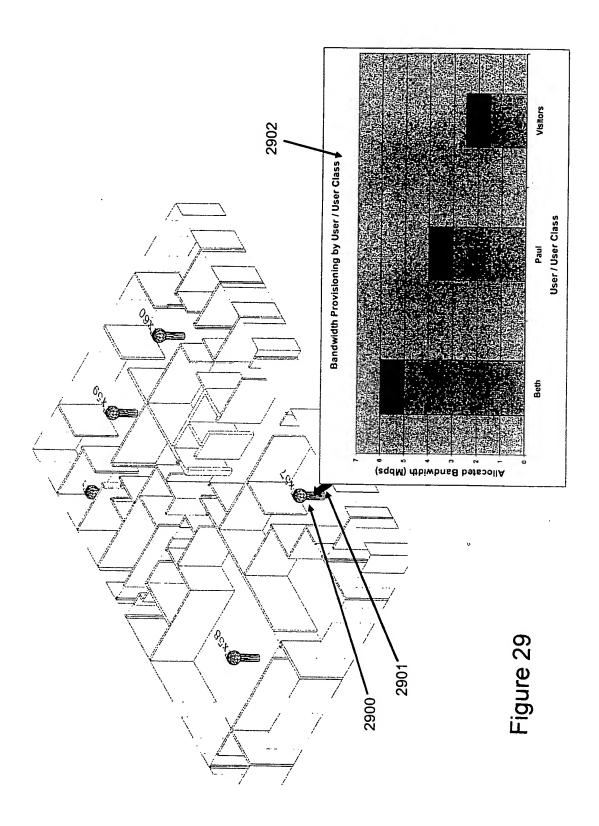
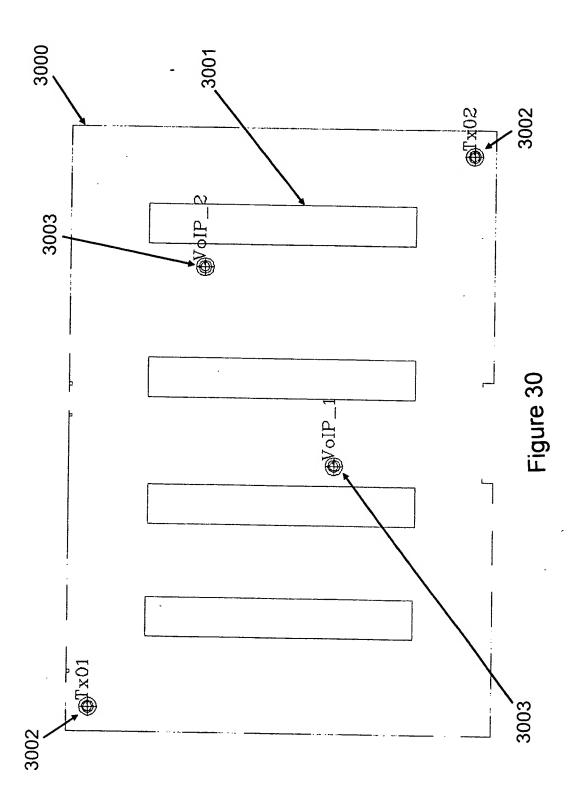
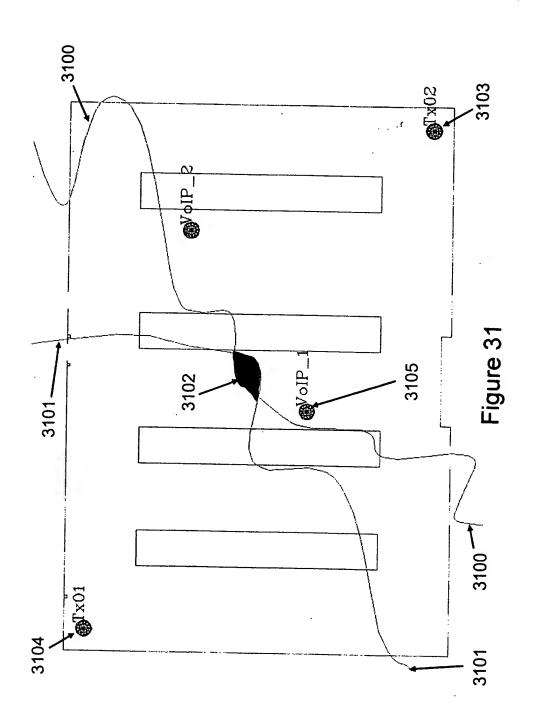


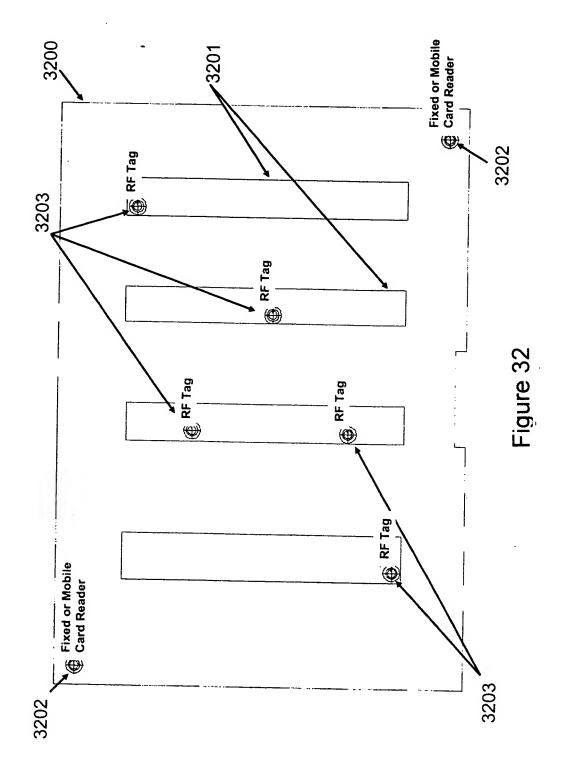
Figure 27











Automated Placement or Configuration of Equipment for Obtaining Desired Network

Performance Objectives . . .

